For Revised Syllabus Session 2024-25

EXEMPLAR
SOLUTIONS
MATH'S

Chapter 4 – Simple Equations

Class 7

In the Questions 1 to 18, there are four options out of which, one is correct. Choose the correct one.

1. The solution of the equation ax + b = 0 is

(a) a/b   (b) –b   (c) –b/a   (d) b/a

Solution:-

(c) –b/a

Consider the given equation $ax + b = 0$

Transpose 'b' to right hand side then it becomes –b.

$ax = -b$

$x = -b/a$

2. If a and b are positive integers, then the solution of the equation ax = b will always be a

(a) positive number   (b) negative number   (c) 1   (d) 0

Solution:-

(a) positive number

The solution of the given equation $ax = b$

$x = b/a$

3. Which of the following is not allowed in a given equation?

(a) Adding the same number to both sides of the equation.

(b) Subtracting the same number from both sides of the equation.

(c) Multiplying both sides of the equation by the same non-zero number.

(d) Dividing both sides of the equation by the same number.

Solution:-

(d) Dividing both sides of the equation by the same number.

4. The solution of which of the following equations is neither a fraction nor an integer?

(a) 2x + 6 = 0   (b) 3x – 5 = 0

(c) 5x – 8 = x + 4   (d) 4x + 7 = x + 2

Solution:-

(d) 4x + 7 = x + 2

Consider the equation $4x + 7 = x + 2$

Transpose 7 to right hand side then it becomes –7 and x to Left hand side then it becomes - x.

$4x – x = 2 – 7$

3x = -5

x = -5/3

5. The equation which cannot be solved in integers is

(a) 5y – 3 = – 18   (b) 3x – 9 = 0

(c) 3z + 8 = 3 + z   (d) 9y + 8 = 4y – 7

Solution:-

(c) 3z + 8 = 3 + z

Consider the equation 3z + 8 = 3 + z

Transpose 8 to right hand side then it becomes –8 and z to Left hand side then it becomes - z.

3z – z = 3 – 8

2z = -5

z = -5/2

6. If 7x + 4 = 25, then x is equal to

(a) 29/7   (b) 100/7   (c) 2   (d) 3

Solution:-

(d) 3

Consider the given equation 7x + 4 = 25

Transpose 4 to right hand side then it becomes –4

7x = 25 – 4

7x = 21

x = 21/7

x = 3

7. The solution of the equation 3x + 7 = – 20 is

(a) 17/7   (b) -9   (c) 9   (d) 13/3

Solution:-

(b) -9

Consider the given equation 3x + 7 = – 20

Transpose 7 to right hand side then it becomes –7

3x = -20 – 7

3x = -27

x = -27/3

x = -9

8. The value of y for which the expressions (y – 15) and (2y + 1) become equal is

(a) 0   (b) 16   (c) 8   (d) – 16

Solution:-

(d) – 16

Consider the given equation (y – 15) = (2y + 1)

Transpose -15 to right hand side then it becomes 15 and 2y to Left hand side then it becomes – 2y.

     y – 2y = 15 + 1

     -y = 16

     y = -16

9. If k + 7 = 16, then the value of 8k – 72 is

(a) 0   (b) 1   (c) 112   (d) 56

Solution:-

(a) 0

Consider the given equation k + 7 = 16

To find out the value of K.

Transpose 7 to right hand side then it becomes -7

     k = 16 – 7

     k = 9

Then, the value of 8k – 72 will be,

     = (8 × 9) – 72

     = 72 – 72

     = 0

10. If 43m = 0.086, then the value of m is

(a) 0.002   (b) 0.02   (c) 0.2   (d) 2

Solution:-

(a) 0.002

Consider the given equation 43m = 0.086

To find out the value of m.

     m = 0.086/43

     m = 0.002

11. x exceeds 3 by 7, can be represented as

(a) x + 3 = 2   (b) x + 7 = 3   (c) x – 3 = 7   (d) x – 7 = 3

Solution:-

(c) x – 3 = 7

12. The equation having 5 as a solution is:
(a) 4x + 1 = 2   (b) 3 – x = 8   (c) x – 5 = 3   (d) 3 + x = 8
Solution:-
(d) 3 + x = 8
Consider the equation 3 + x = 8.
Transpose 3 to right hand side then it becomes -3
    x = 8 – 3
    x = 5

13. The equation having – 3 as a solution is:
(a) x + 3 =1   (b) 8 + 2x = 3   (c) 10 + 3x = 1   (d) 2x + 1 = 3
Solution:-
(c) 10 + 3x = 1
Consider the equation 10 + 3x = 1.
Transpose 10 to right hand side then it becomes -10
    3x = 1 – 10
    x = -9/3
    x = -3

14. Which of the following equations can be formed starting with x = 0?
(a) 2x + 1 = – 1   (b) x/ 2 + 5 = 7
(c) 3x – 1 = – 1   (d) 3x – 1 = 1
Solution:-
(c) 3x – 1 = – 1
Consider the equation 3x – 1 = – 1.
Transpose -1 to right hand side then it becomes 1
    3x = -1 + 1
    x = 0/3
    x = 0

15. Which of the following equations cannot be formed using the equation x = 7?
(a) 2x + 1 = 15   (b) 7x – 1 = 50
(c) x – 3 = 4   (d) (x/7) – 1 = 0
Solution:-
(b) 7x – 1 = 50

Consider the equation 7x – 1 = 50.

Transpose -1 to right hand side then it becomes 1.

$\quad$ 7x = 50 + 1

$\quad$ 7x = 51

$\quad$ x = 51/7

16. If (x/2) = 3, then the value of 3x + 2 is

(a) 20 $\qquad$ **(b) 11** $\qquad$ **(c) 13/2** $\qquad$ **(d) 8**

Solution:-

(a) 20

Consider the given equation (x/2) = 3

To find out the value of x.

$\quad$ x = 3 × 2

$\quad$ x = 6

Then, the value of 3x + 2 will be,

$\quad$ = (3 × 6) + 2

$\quad$ = 18 + 2

$\quad$ = 20

17. Which of the following numbers satisfy the equation −6 + x = −12 ?

(a) 2 $\qquad$ **(b) 6** $\qquad$ **(c) − 6** $\qquad$ **(d) − 2**

Solution:-

(c) – 6

Consider the given equation −6 + x = −12.

x = -12 + 6

x = -6

Left hand side is equal to Right hand side.

18. Shifting one term from one side of an equation to another side with a change of sign is known as

(a) commutativity $\qquad\qquad$ **(b) transposition**

(c) distributivity $\qquad\qquad$ **(d) associativity**

Solution:-

(b) transposition

In Questions 19 to 48, fill in the blanks to make the statements true.

19. The sum of two numbers is 60 and their difference is 30.

(a) If smaller number is x, the other number is _____ .(use sum)
Solution:-
From the question it is given that smaller number is x,
Then, the other number is 60 - x

(b) The difference of numbers in term of x is _____ .
Solution:-
From the question, smaller number be x, and other number be (60 - x)
Then,
Difference between the numbers $= (60 - x) - x$
$$= 60 - x - x$$
$$= 60 - 2x$$
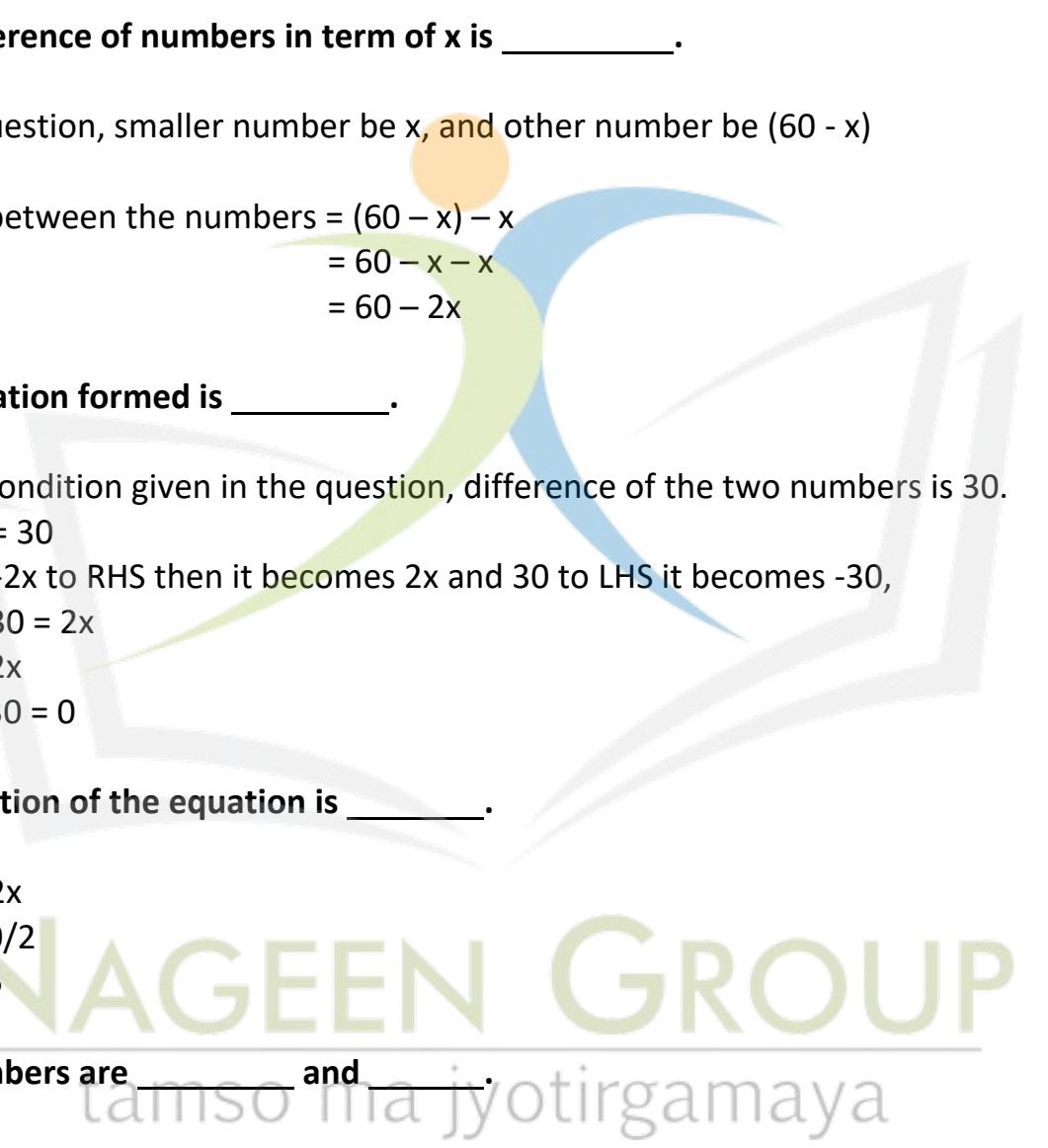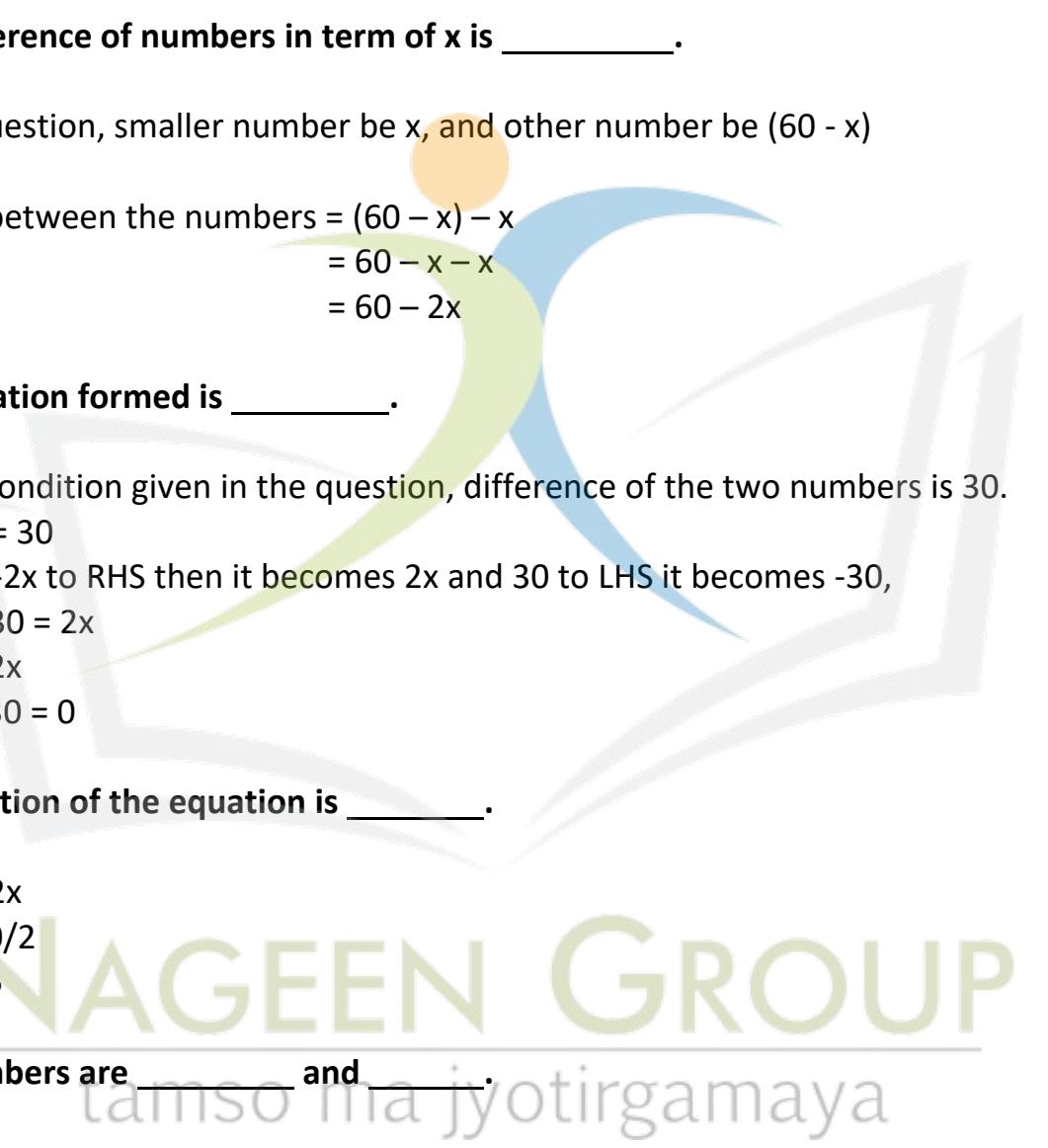
(c) The equation formed is _____ .
Solution:-
As per the condition given in the question, difference of the two numbers is 30.
So, $60 - 2x = 30$
Transpose, -2x to RHS then it becomes 2x and 30 to LHS it becomes -30,
$$60 - 30 = 2x$$
$$30 = 2x$$
$$2x - 30 = 0$$
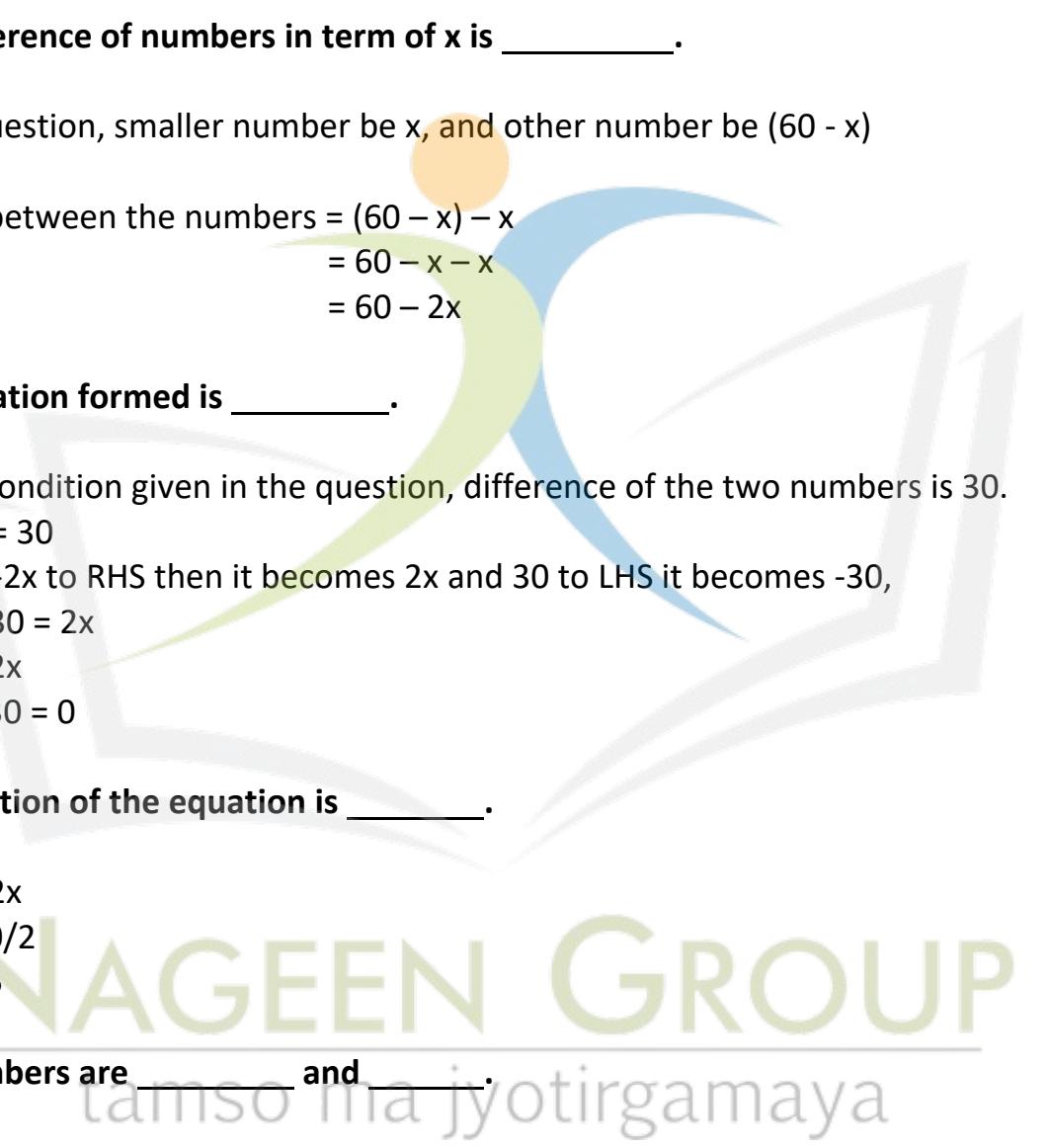
(d) The solution of the equation is _____ .
Solution:-
$$30 = 2x$$
$$x = 30/2$$
$$x = 15$$
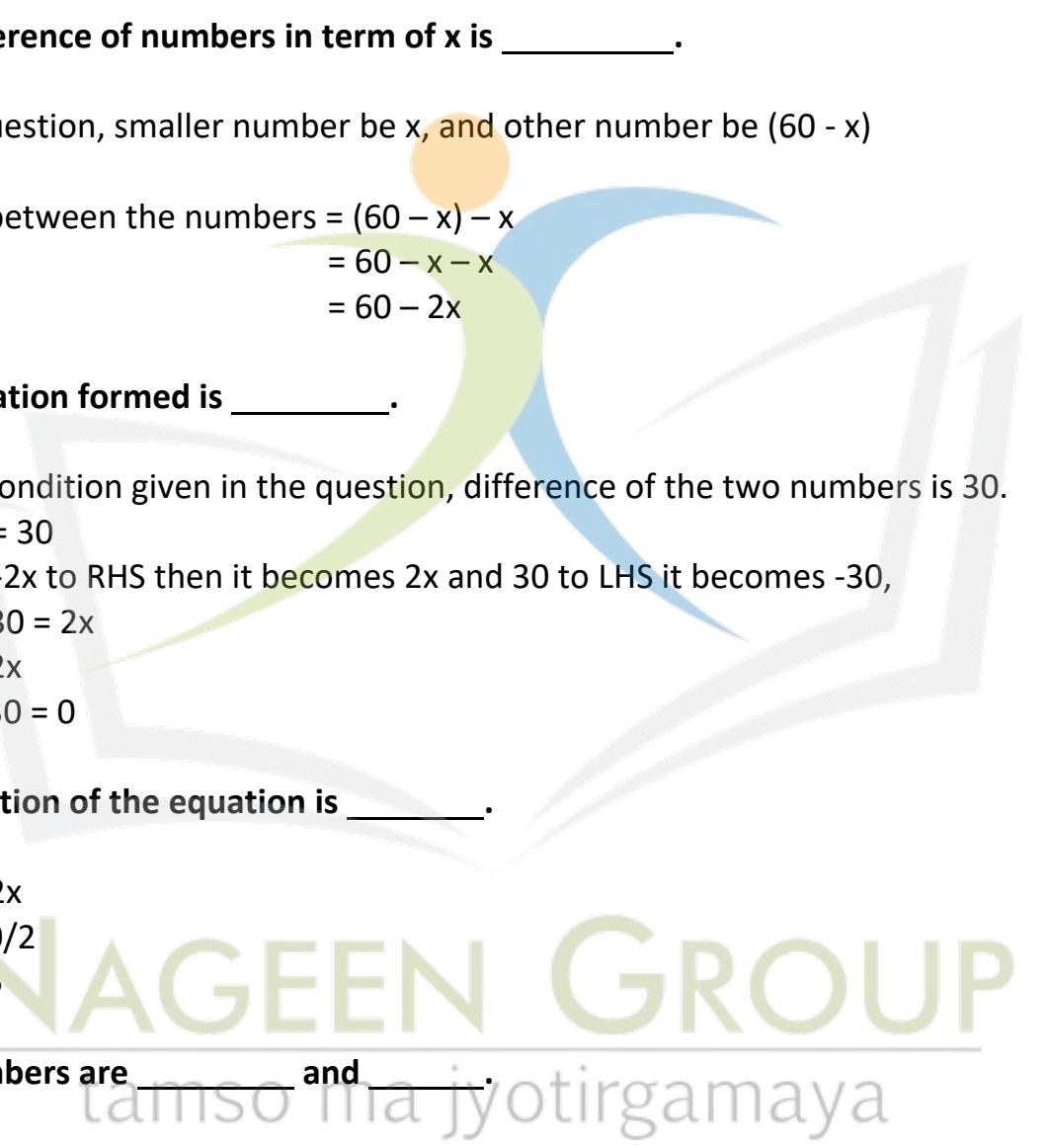
(e) The numbers are _____ and _____ .
Solution:-
$x = 15$
$60 - x = 60 - 15$
$\quad = 45$
The numbers are <u>15</u> and <u>45</u>.

20. Sum of two numbers is 81. One is twice the other.
(a) If smaller number is x, the other number is _____ .
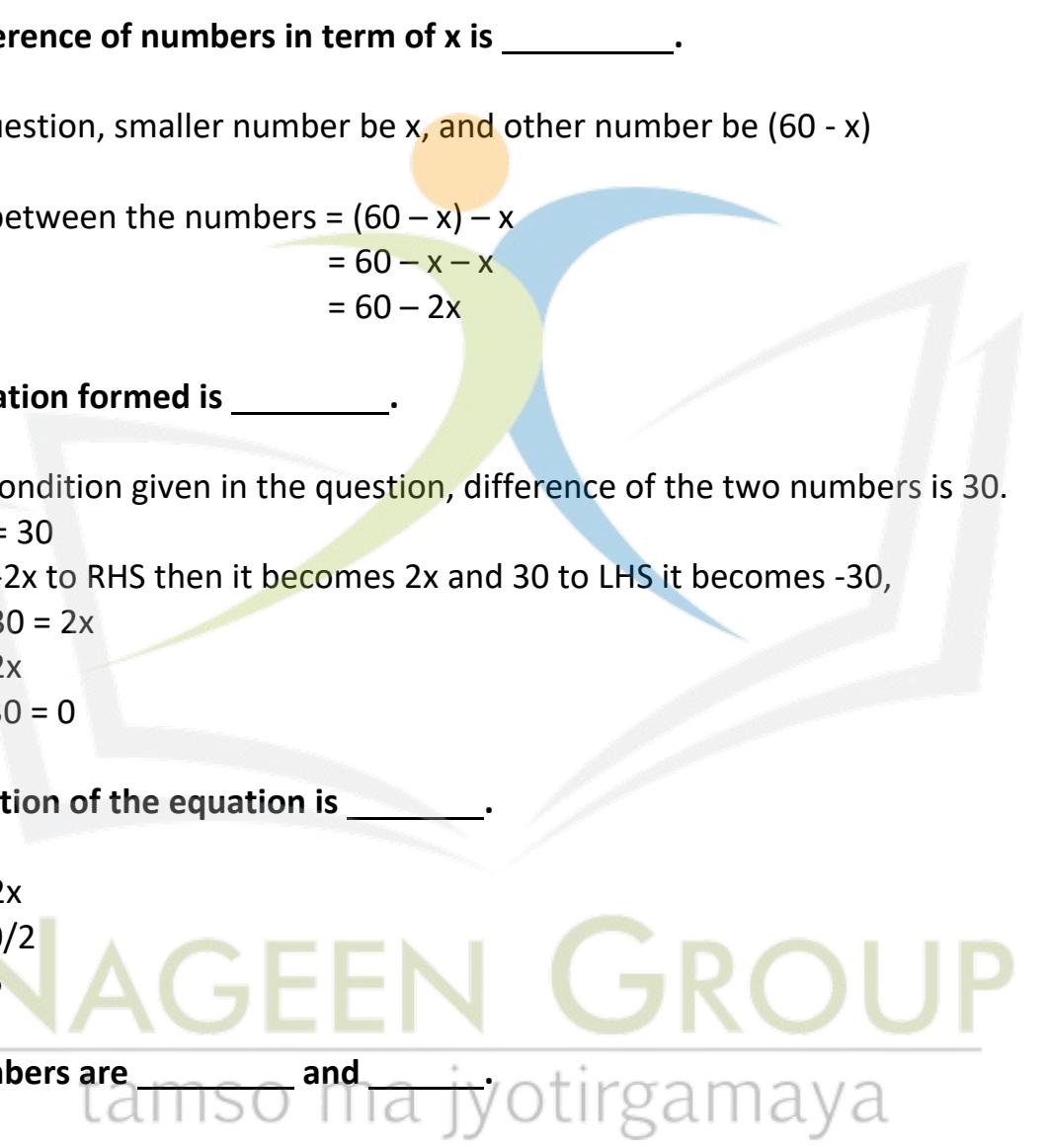
Solution:-

From the question it is given that smaller number is x and one is twice the other.

Then, the other number is 2x

(b) The equation formed is _____ .

Solution:-

From the question, smaller number be x, and other number be 2x

Then,

Sum of two numbers is 81,

$\quad$ 2x + x = 81

(c) The solution of the equation is _____ .

Solution:-

$\quad$ 2x + x = 81

$\quad$ 3x = 81

$\quad$ x = 81/3

$\quad$ x = 27

(d) The numbers are _____ and _____ .

Solution:-

$\quad$ x = 27

$\quad$ 2x = 2 × 27

$\quad\quad$ = 54

The numbers are <u>27</u> and <u>54</u>.

21. In a test Abha gets twice the marks as that of Palak. Two times Abha's marks and three times Palak's marks make 280.

(a) If Palak gets x marks, Abha gets _____ marks.

Solution:-

From the question it is given that Palak gets x marks and Abha gets twice the marks as that of Palak.

Then, Abha gets 2x marks.

(b) The equation formed is _____ .

Solution:-

As per the condition given in the question, two times Abha's marks and three times Palak's marks make 280.

So, (2 × 2x) + (3 × x) = 280
Therefore, 4x + 3x = 280

(c) The solution of the equation is _____ .
Solution:-
Consider the equation,

      $4x + 3x = 280$
      $7x = 280$
      $x = 280/7$
      $x = 40$

(d) Marks obtained by Abha are _____ .
Solution:-
Marks obtained by Abha are <u>80</u>.
$2x = 2 × 40$
   $= 80$ marks

22. The length of a rectangle is two times its breadth. Its perimeter is 60 cm.
(a) If the breadth of rectangle is x cm, the length of the rectangle is _____ .
Solution:-
From the question it is given that the breadth of rectangle is x cm and length of a rectangle is two times its breadth.
Then, length of the rectangle is 2x.

(b) Perimeter in terms of x is _____ .
Solution:-
We know that, perimeter of rectangle = 2(Length + breadth)
                                = 2(2x + x)
                                = 4x + 2x

(c) The equation formed is _____ .
Solution:-
As per the condition given in the question, perimeter is 60 cm
The equation formed is, 4x + 2x = 60
                        6x = 60

(d) The solution of the equation is _____ .

Solution:-

      $4x + 2x = 60$

      $6x = 60$

      $x = 60/6$

      $x = 10$

23. In a bag there are 5 and 2 rupee coins. If they are equal in number and their worth is ₹ 70, then

(a) The worth of x coins of ₹ 5 each _____.

Solution:-

The worth of x coins of ₹ 5 each <u>5x</u>.

(b) The worth of x coins of ₹ 2 each _____.

Solution:-

The worth of x coins of ₹ 2 each <u>2x</u>.

(c) The equation formed is _____.

Solution:-

As per the condition given in the question, If 5 and 2 rupee coins are equal in number and their worth is ₹ 70.

So, the equation is $5x + 2x = ₹ 70$

(d) There are _____ 5 rupee coins and _____ 2 rupee coins.

Solution:-

Consider the equation,

      $5x + 2x = 70$

      $7x = 70$

      $x = 70/7$

      $x = 10$

There are <u>10</u> ₹ 5 coins and <u>10</u> ₹ 2 coins.

24. In a Mathematics quiz, 30 prizes consisting of 1ˢᵗ and 2ⁿᵈ prizes only are to be given. 1ˢᵗ and 2ⁿᵈ prizes are worth ₹ 2000 and ₹ 1000 respectively. If the total prize money is ₹ 52,000 then show that:

(a) If 1ˢᵗ prizes are x in number the number of 2ⁿᵈ prizes are _____.

Solution:-

From the question it is given that, 30 prizes consisting of 1ˢᵗ.

So, If 1st prizes are x in number the number of 2nd prizes are 30 – x.

(b) The total value of prizes in terms of x are _____ .
Solution:-
Given, 1st and 2nd prizes are worth ₹ 2000 and ₹ 1000 respectively
= (₹ 2000 × x) + (₹ 1000 × (30 - x))

(c) The equation formed is _____ .
Solution:-
As per the condition given in the question, 30 prizes consisting of 1st and 2nd prizes only are to be given, the total prize money is ₹ 52,000.
Then, the equation is = ₹1000x + ₹30,000 = ₹ 52,000

(d) The solution of the equation is _____ .
Solution:-
Consider the equation, ₹1000x + ₹30,000 = ₹ 52,000
Transpose, 30000 to RHS then it becomes -30,000
    1000x = 52,000 – 30,000
    1000x = 22,000
    x = 22,000/1000
    x = 22

(e) The number of 1st prizes are _____ and the number of 2nd prizes are _____ .
Solution:-
The number of 1st prize = x = 22
The number of 2nd prize = 30 – x = 30 – 22 = 8
The number of 1st prizes are 22 and the number of 2nd prizes are 8.

25. If z + 3 = 5, then z = _____ .
Solution:-
Consider the equation, z + 3 = 5
Transpose 3 to RHS it becomes -3
    z= 5 – 3
    z = 2

26. _____ is the solution of the equation 3x – 2 =7.

Solution:-

Consider the given equation, $3x - 2 = 7$

Transpose -2 to RHS then it becomes 2.

$3x = 7 + 2$

$3x = 9$

$x = 9/3$

$x = 3$

<u>x = 3</u> is the solution of the equation $3x - 2 = 7$.

27. _____ is the solution of 3x + 10 = 7.

Solution:-

Consider the given equation, $3x + 10 = 7$

Transpose 10 to RHS then it becomes -10.

$3x = 7 - 10$

$3x = -3$

$x = -3/3$

$x = -1$

<u>x = -1</u> is the solution of the equation $3x + 10 = 7$.

28. If 2x + 3 = 5, then value of 3x + 2 is _____.

Solution:-

Consider the given equation, $2x + 3 = 5$

Transpose 3 to RHS then it becomes -3.

$2x = 5 - 3$

$2x = 2$

$x = 2/2$

$x = 1$

then value of $3x + 2$ is $= (3 \times 1) + 2$

$= 3 + 2$

$= 5$

29. In integers, 4x – 1 = 8 has _____ solution.

Solution:-

Consider the given integers, $4x - 1 = 8$

Transpose -1 to RHS then it becomes 1.

$4x = 8 + 1$

$4x = 9$

x = 9/4

In integers, 4x – 1 = 8 has <u>no</u> solution.

30. In natural numbers, 4x + 5 = – 7 has _____ solution.
Solution:-
Consider the given integers, 4x + 5 = – 7.
Transpose 5 to RHS then it becomes -5.

     4x = - 7 - 5

     4x = - 12

     x = -12/4

     x = - 3

In natural numbers, 4x + 5 = – 7 has <u>no</u> solution.

31. In natural numbers, x – 5 = – 5 has _____ solution.
Solution:-
Consider the given integers, x – 5 = – 5.
Transpose - 5 to RHS then it becomes 5.

     x = - 5 + 5

     x = 0

In natural numbers, x – 5 = – 5 has <u>no</u> solution.

32. In whole numbers, x + 8 = 12 – 4 has _____ solution.
Solution:-
Consider the given integers, x + 8 = 12 – 4.

     x + 8 = 8

Transpose 8 to RHS then it becomes - 8.

     x = 8 - 8

     x = 0

In natural numbers, x + 8 = 12 – 4 has <u>one</u> solution.

33. If 5 is added to three times a number, it becomes the same as 7 is subtracted from four times the same number. This fact can be represented as _____.
Solution:-
Let us assume the number be x,
Given, If 5 is added to three times a number = 3x + 5
7 is subtracted from four times the same number = 4x - 7
If 5 is added to three times a number, it becomes the same as 7 is subtracted from four

times the same number. This fact can be represented as <u>3x + 5= 4x - 7</u>.

34. x + 7 = 10 has the solution _____.
Solution:-
Consider the given equation, x + 7 = 10.
Transpose 7 to RHS then it becomes -7.

   x = 10 - 7
   x = 3

35. x – 0 = _____; when 3x = 12.
Solution:-
Consider the given equation, 3x = 12
        x = 12/3
        x = 4

Then,
   = x – 0
   = 4 - 0
   = 4

36. x – 1= _____; when 2x = 2.
Solution:-
Consider the given equation, 2x = 2
        x = 2/2
        x = 1

Then,
   = x – 1
   = 1 - 1
   = 0

37. x – _____ = 15; when x/2 = 6.
Solution:-
Consider the given eqaution, x/2 = 6
        x = 6 × 2
        x = 12

Then,
   = x – _____
   = 12 – (- 3)
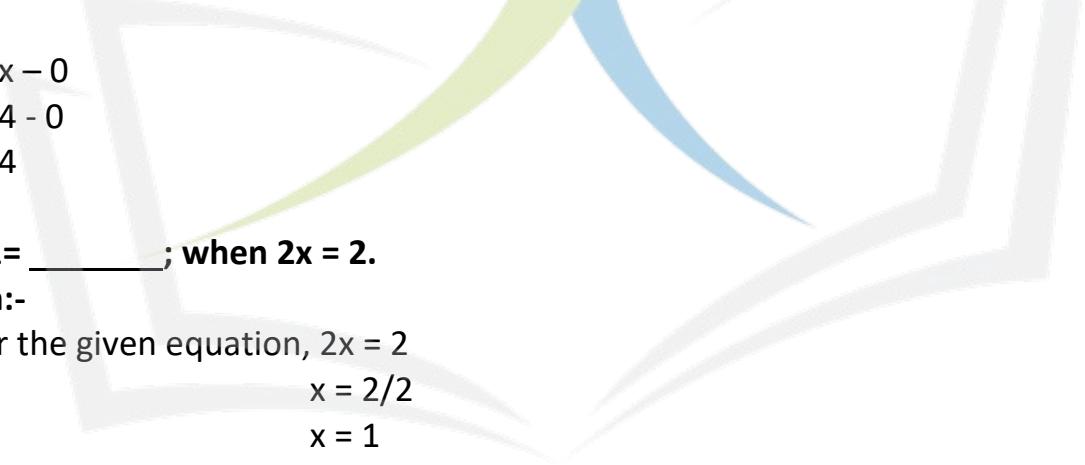
= 12 + 3

= 15

x – (-3) = 15; when x/2 = 6

38. The solution of the equation x + 15 = 19 is _____ .
Solution:-
Consider the given equation, x + 15 = 19
Transpose 15 to RHS then it becomes -15.

x = 19 - 15

x = 4

39. Finding the value of a variable in a linear equation that _____ the equation is called a _____ of the equation.
Solution:-
Finding the value of a variable in a linear equation that <u>satisfies</u> the equation is called a <u>root</u> of the equation.

40. Any term of an equation may be transposed from one side of the equation to the other side of the equation by changing the _____ of the term.
Solution:-
Any term of an equation may be transposed from one side of the equation to the other side of the equation by changing the <u>sign</u> of the term.

41. If (9/5)x = (18/5), then x = _____
Solution:-
Consider the given equation, (9/5)x = (18/5)
By cross multiplication x = (18/5) × (5/9)

= (18/9)

= 2

Then, the value of x = 2

42. If 3 – x = -4, then x = _____
Solution:-
Consider the given equation, 3 – x = -4
Transpose –x to RHS then it becomes x and – 4 to LHS then it becomes 4,

3 + 4 = x

x = 7

Then, the value of x = 7

43. If x − ½ = - ½, then x = _____.
Solution:-
Consider the given equation, x − ½ = - ½
Transpose − ½ to RHS then it becomes ½
   x = - ½ + ½
   x = 0
Then, the value of x = 0

44. If (1/6) − x = 1/6, then x = _____.
Solution:-
Consider the given equation, (1/6) − x = 1/6
Transpose − x to RHS then it becomes x and 1/6 to LHS then it becomes − 1/6
   x = 1/6 − 1/6
   x = 0
Then, the value of x = 0

45. If 10 less than a number is 65, then the number is _____.
Solution:-
Given 10 less than a number is 65
Then, the equation will be x − 10 = 65
Transpose, - 10 to RHS then it becomes 10
   x = 65 + 10
   x = 75

46. If a number is increased by 20, it becomes 45. Then the number is _____.
Solution:-
Let us assume the number be x.
If a number is increased by 20 = x + 20
If a number is increased by 20, it becomes 45, x + 20 = 45
Transpose, 20 to RHS then it becomes -20.
   x = 45 − 20
   x = 25

47. If 84 exceeds another number by 12, then the other number is _____.

Solution:-

Let us assume the number be x.

If a number is increased by 12 = x + 12

If a number is increased by 12, it becomes 84, x + 12 = 84

Transpose, 12 to RHS then it becomes -12.

$\qquad$ x = 84 – 12

$\qquad$ x = 72

48. If x – (7/8) = 7/8, then x = _____ .

Solution:-

Consider the equation, x – (7/8) = 7/8

Transpose, -7/8 to RHS then it becomes 7/8.

Then, x = (7/8) + (7/8)

$\qquad$ x = (14/8) [divide by 2]

$\qquad$ x = 7/4

In Questions 49 to 55, state whether the statements are True or False.

49. 5 is the solution of the equation 3x + 2 = 17.

Solution:-

True.

Consider the equation, 3x + 2 = 17

Transpose 2 to RHS then it becomes – 2.

$\qquad$ 3x = 17 – 2

$\qquad$ 3x = 15

$\qquad$ x = 15/3

$\qquad$ x = 5

50. 9/5 is the solution of the equation 4x – 1 = 8.

Solution:-

False.

Consider the equation, 4x – 1 = 8

Transpose -1 to RHS then it becomes 1.

$\qquad$ 4x = 8 + 1

$\qquad$ 4x = 9

$\qquad$ x = 9/4

51. 4x – 5 = 7 does not have an integer as its solution.

Solution:-

False.

Consider the equation, $4x - 5 = 7$

Transpose -5 to RHS then it becomes 5.

$4x = 7 + 5$

$4x = 12$

$x = 12/4$

$x = 3$

52. One third of a number added to itself gives 10, can be represented as (x/3) + 10 = x

Solution:-

False.

One third of a number added to itself = $(x/3) + x$

One third of a number added to itself gives 10, can be represented **as** $(x/3) + x = 10$

53. 3/2 is the solution of the equation 8x – 5 = 7.

Solution:-

True.

Consider the equation, $8x - 5 = 7$

Transpose -5 to RHS then it becomes 5.

$8x = 7 + 5$

$8x = 12$

$x = 12/8$

$x = 3/2$

54. If 4x – 7 = 11, then x = 4.

Solution:-

False.

Consider the equation, $4x - 7 = 11$

Transpose -7 to RHS then it becomes 7.

$4x = 11 + 7$

$4x = 18$

$x = 18/4$

$x = 9/2$

55. If 9 is the solution of variable x in the equation ((5x - 7)/2) = y, then the value of y is 28.

Solution:-

False.

Consider the equation, $\frac{5x - 7}{2} = y$

Then, from the question it is given that the value of x = 9

So, $\frac{(5 \times 9) - 7}{2} = y$

$\frac{45 - 7}{2} = y$

$\frac{38}{2} = y$

y = 19

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Click Here to Join — **Class 6**

Click Here to Join — **Class 7**

Click Here to Join — **Class 8**

Click Here to Join — **Class 9**

Click Here to Join — **Class 10**

Click Here to Join — **Class 11 (Science)**

Click Here to Join — **Class 11 (Humanities)**

Click Here to Join — **Class 11 (Commerce)**

Click Here to Join — **Class 12 (Science)**

Click Here to Join — **Class 12 (Humanities)**

Click Here to Join — **Class 12 (Commerce)**

Click Here to Join — **Kindergarten**

Subject Wise Secondary and Senior Secondary Groups (IX & X For Teachers Only)

Secondary Groups (IX & X)

Click Here to Join — **SST**

Click Here to Join — **Mathematics**

Click Here to Join — **Science**

Click Here to Join — **English**

Click Here to Join — **Hindi-A**

Click Here to Join — **IT Code-402**

Click Here to Join — **Hindi-B**

Click Here to Join — **Artificial Intelligence**

Senior Secondary Groups (XI & XII For Teachers Only)

Click Here to Join — **Physics**

Click Here to Join — **Chemistry**

Click Here to Join — **English**

Click Here to Join — **Mathematics**

Click Here to Join — **Biology**

Click Here to Join — **Accountancy**

Click Here to Join — **Economics**

Click Here to Join — **BST**

Click Here to Join — **History**

Geography — Click Here to Join

Sociology — Click Here to Join

Hindi Elective — Click Here to Join

Hindi Core — Click Here to Join

Home Science — Click Here to Join

Sanskrit — Click Here to Join

Psychology — Click Here to Join

Political Science — Click Here to Join

Painting — Click Here to Join

Vocal Music — Click Here to Join

Comp. Science — Click Here to Join

IP — Click Here to Join

Physical Education — Click Here to Join

APP. Mathematics — Click Here to Join

Legal Studies — Click Here to Join

Entrepreneurship — Click Here to Join

French — Click Here to Join

IT — Click Here to Join

Artificial Intelligence — Click Here to Join

Other Important Groups (For Teachers & Principal's)

Principal's Group — Click Here to Join

Teachers Jobs — Click Here to Join

IIT/NEET — Click Here to Join

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Kindergarten to Class XII (For Students Only)

Click Here to Join **Class 1**	**Click Here to Join** **Class 2**	**Click Here to Join** **Class 3**
Click Here to Join **Class 4**	**Click Here to Join** **Class 5**	**Click Here to Join** **Class 6**
Click Here to Join **Class 7**	**Click Here to Join** **Class 8**	**Click Here to Join** **Class 9**
Click Here to Join **Class 10**	**Click Here to Join** **Class 11 (Science)**	**Click Here to Join** **Class 11 (Humanities)**
Click Here to Join **Class 11 (Commerce)**	**Click Here to Join** **Class 12 (Science)**	**Click Here to Join** **Class 12 (Humanities)**
Click Here to Join **Class 12 (Commerce)**	**Click Here to Join** **Artificial Intelligence (VI TO VIII)**	

Subject Wise Secondary and Senior Secondary Groups (IX & X For Students Only)

Secondary Groups (IX & X)

Click Here to Join — **SST**

Click Here to Join — **Mathematics**

Click Here to Join — **Science**

Click Here to Join — **English**

Click Here to Join — **Hindi**

Click Here to Join — **IT Code**

Click Here to Join — **Artificial Intelligence**

Senior Secondary Groups (XI & XII For Students Only)

Click Here to Join — **Physics**

Click Here to Join — **Chemistry**

Click Here to Join — **English**

Click Here to Join — **Mathematics**

Click Here to Join — **Biology**

Click Here to Join — **Accountancy**

Click Here to Join — **Economics**

Click Here to Join — **BST**

Click Here to Join — **History**

Click Here to Join **Geography**	**Click Here to Join** **Sociology**	**Click Here to Join** **Hindi Elective**
Click Here to Join **Hindi Core**	**Click Here to Join** **Home Science**	**Click Here to Join** **Sanskrit**
Click Here to Join **Psychology**	**Click Here to Join** **Political Science**	**Click Here to Join** **Painting**
Click Here to Join **Music**	**Click Here to Join** **Comp. Science**	**Click Here to Join** **IP**
Click Here to Join **Physical Education**	**Click Here to Join** **APP. Mathematics**	**Click Here to Join** **Legal Studies**
Click Here to Join **Entrepreneurship**	**Click Here to Join** **French**	**Click Here to Join** **IT**
Click Here to Join **AI**	**Click Here to Join** **IIT/NEET**	**Click Here to Join** **CUET**

Groups Rules & Regulations:

To maximize the benefits of these WhatsApp groups, follow these guidelines:

1. Share your valuable resources with the group.
2. Help your fellow educators by answering their queries.
3. Watch and engage with shared videos in the group.
4. Distribute WhatsApp group resources among your students.
5. Encourage your colleagues to join these groups.

Additional notes:
1. Avoid posting messages between 9 PM and 7 AM.
2. After sharing resources with students, consider deleting outdated data if necessary.
3. It's a NO Nuisance groups, single nuisance and you will be removed.
   - No introductions.
   - No greetings or wish messages.
   - No personal chats or messages.
   - No spam. Or voice calls
   - Share and seek learning resources only.

Please only share and request learning resources. For assistance, contact the helpline via WhatsApp: +91-95208-77777.

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Class 10

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Class 11

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Class 12

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Team
School of Educators & Artham Resources

SKILL MODULES BEING OFFERED IN MIDDLE SCHOOL

Artificial Intelligence

Beauty & Wellness

Design Thinking & Innovation
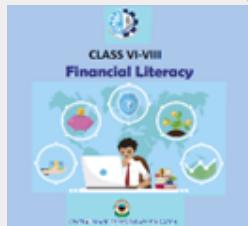
Financial Literacy

Handicrafts

Information Technology

Marketing/Commercial Application
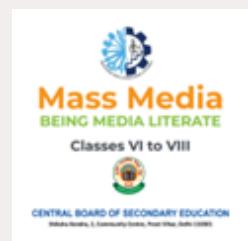
Mass Media - Being Media Literate

Travel & Tourism

Coding
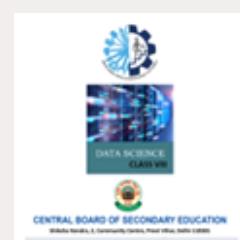
Data Science (Class VIII only)
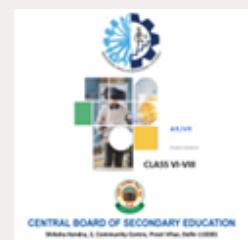
Augmented Reality / Virtual Reality

Digital Citizenship
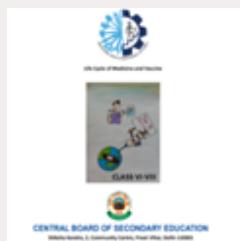
Life Cycle of Medicine & Vaccine
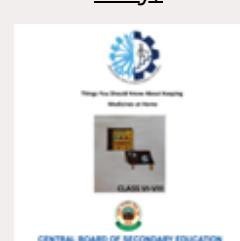
Things you should know about keeping Medicines at home
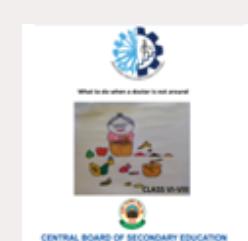
What to do when Doctor is not around
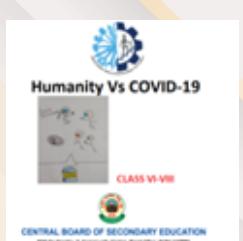
Humanity & Covid-19

Blue Pottery

Pottery

Block Printing
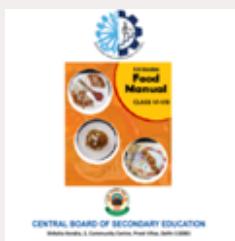
Food
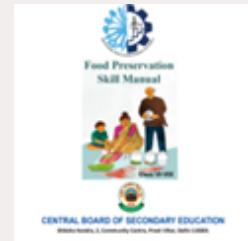
Food Preservation
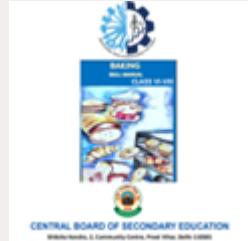
Baking
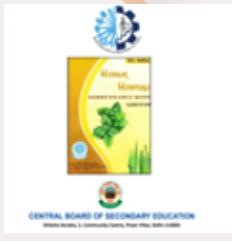
Herbal Heritage
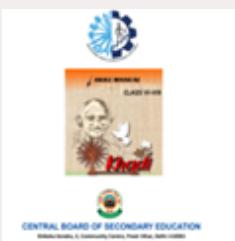
Khadi
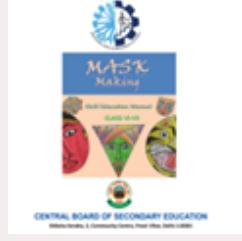
Mask Making

Mass Media
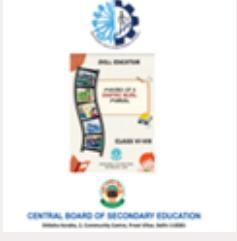
Making of a Graphic Novel
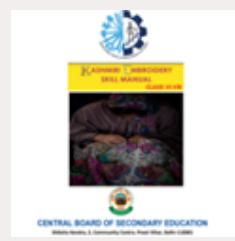
Kashmiri Embroidery

Embroidery
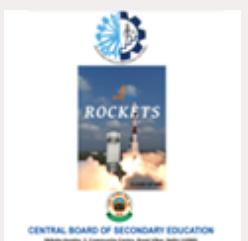
Rockets
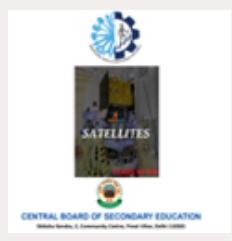
Satellites

Application of Satellites
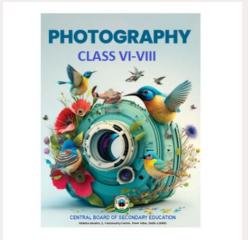
Photography

SKILL SUBJECTS AT SECONDARY LEVEL (CLASSES IX – X)

Retail

Information Technology

Security

Automotive

Introduction To Financial Markets
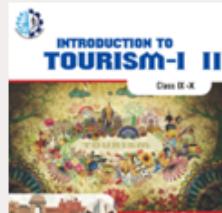
Introduction To Tourism

Beauty & Wellness
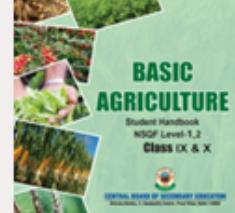
Agriculture

Food Production
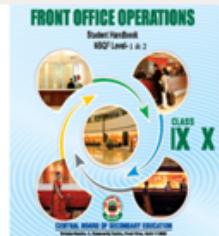
Front Office Operations

Banking & Insurance

Marketing & Sales
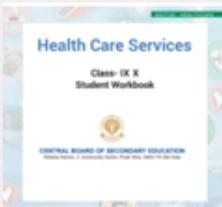
Health Care

Apparel

Multi Media

Multi Skill Foundation Course
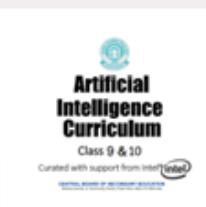
Artificial Intelligence

Physical Activity Trainer

Data Science

Electronics & Hardware (NEW)
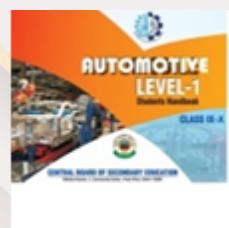
Foundation Skills For Sciences (Pharmaceutical & Biotechnology)(NEW)

Design Thinking & Innovation (NEW)

SKILL SUBJECTS AT SR. SEC. LEVEL (CLASSES XI – XII)
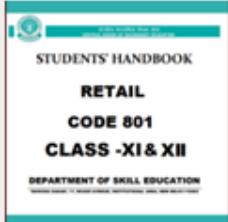
Retail
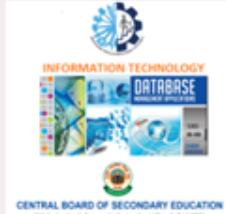
InformationTechnology

Web Application

Automotive

Financial Markets Management
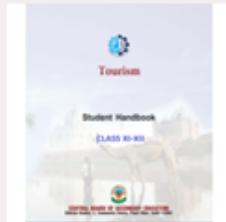
Tourism
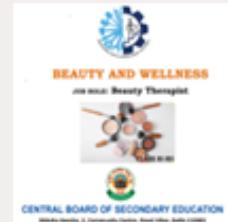
Beauty & Wellness
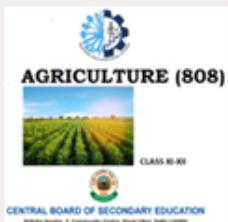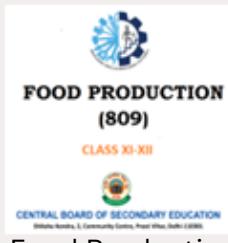
Agriculture

Food Production

Front Office Operations

Banking

Marketing
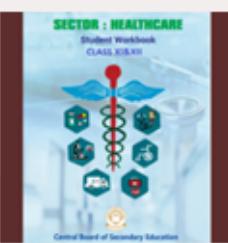
Health Care

Insurance

Horticulture
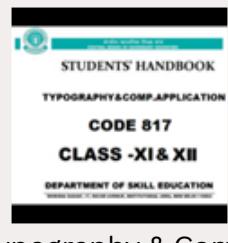
Typography & Comp. Application
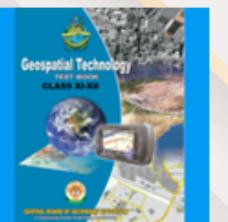
Geospatial Technology
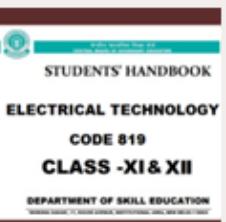
Electrical Technology

Electronic Technology
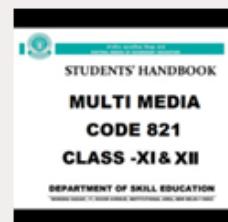
Multi-Media
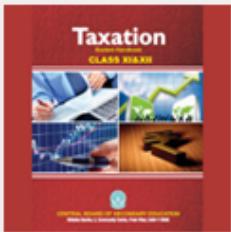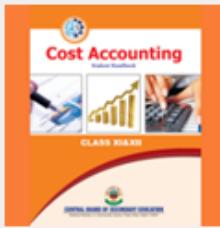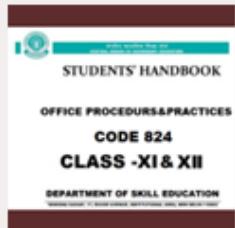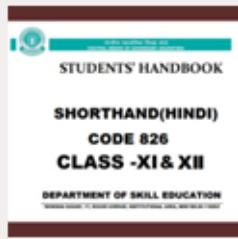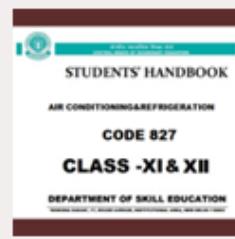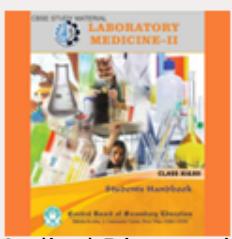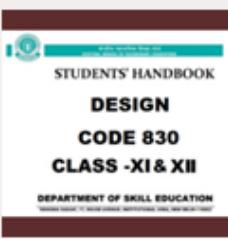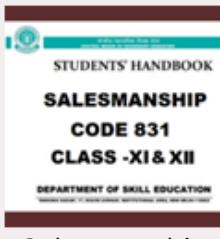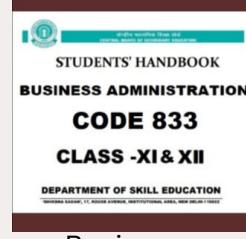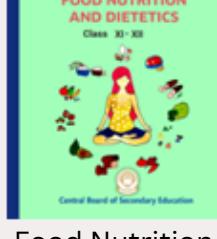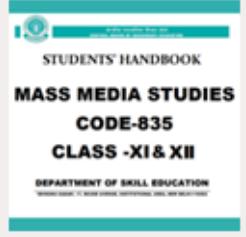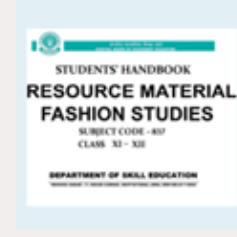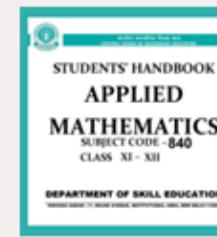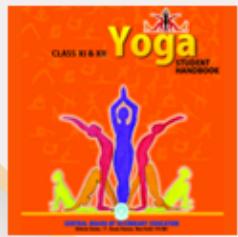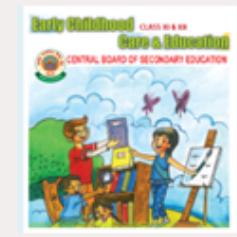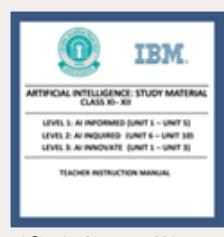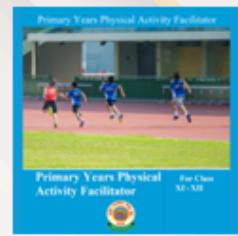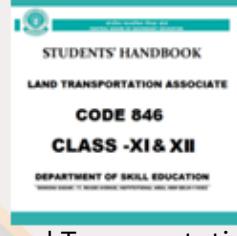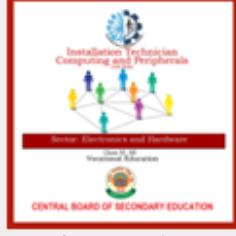
|			
Taxation	Cost Accounting	Office Procedures & Practices	Shorthand (English)
Shorthand (Hindi)	Air-Conditioning & Refrigeration	Medical Diagnostics	Textile Design
Design	Salesmanship	Business Administration	Food Nutrition & Dietetics
Mass Media Studies	Library & Information Science	Fashion Studies	Applied Mathematics
Yoga	Early Childhood Care & Education	Artificial Intelligence	Data Science
Physical Activity Trainer(new)	Land Transportation Associate (NEW)	Electronics & Hardware (NEW)	Design Thinking & Innovation (NEW)